

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Previously Presented) A mobile station, comprising at least one processor configured to:
measure powers of signals transmitted from a plurality of base station transceivers;
identify each base station transceiver whose measured signal power is greater than a threshold;
place indicators of said identified base station transceivers to a first set;
transmit the indicators;
use the indicators in the first set to search for a direction message; and
receive a direction message from at least one of the identified base station transceivers not in communication with the mobile station via a traffic channel.
2. (Previously Presented) The mobile station of claim 1, wherein the at least one processor is further configured to:
determine indicators of said identified base station transceivers not included in the first set; and
place the determined indicators to the first set.
3. (Previously Presented) The mobile station of claim 1, wherein the at least one processor is further configured to:
transmit the indicators in the first set.
4. (Previously Presented) The mobile station of claim 1, wherein the at least one processor is further configured to:
determine indicators of said identified base station transceivers not included in the first set; and
transmit the determined indicators.

5. (Canceled)

6. (Canceled)

7. (Previously Presented) The mobile station of claim 1, wherein the direction message comprises an identification of at least one neighboring base station transceiver.

8. (Previously Presented) The mobile station of claim 1, wherein the at least one processor is further configured to:

adjust the indicators in the first set in accordance with the direction message.

9-11. (Canceled)

12. (Previously Presented) A method for soft handoff, comprising:

measuring a signal strength for each of a plurality of first channels received from a plurality of base station transceivers at a mobile station;

identifying the first channels whose measured signal powers are greater than a threshold at the mobile station;

placing indicators of said identified first channels to a first set at the mobile station;

searching for a direction message using the indicators contained in the first set;

receiving the direction message at the mobile station; and

adjusting the indicators in the first set in accordance with the direction message.

13. (Previously Presented) The method of claim 12, wherein said placing indicators of said identified first channels to a first set comprises:

determining indicators of said identified first channels not included in the first set; and

placing said determined indicators to the first set.

14-16. (Canceled)

17. (Previously Presented) The method of claim 12, further comprising:
transmitting the indicators from the mobile station.
18. (Previously Presented) The method of claim 17, wherein said transmitting the indicators comprises:
transmitting the indicators placed to the first set.
19. (Previously Presented) The method of claim 17, wherein said transmitting the indicators comprises:
determining indicators of said identified first channels not included in the first set; and
transmitting said determined indicators.
20. (Previously Presented) A mobile station, comprising at least one processor configured to:
measure a signal strength for each of a plurality of first channels received from a plurality of base station transceivers;
identifying the first channels whose measured signal powers are greater than a threshold;
place indicators of said identified first channels to a first set;
search for a direction message using the indicators contained in the first set;
receive the direction message; and
adjust the indicators in the first set in accordance with the direction message.
21. (Previously Presented) The mobile station of claim 20, wherein the at least one processor is further configured to:
determine indicators of said identified first channels not included in the first set; and
place said determined indicators to the first set.
- 22-24. (Canceled)
25. (Previously Presented) The mobile station of claim 20, wherein the at least one processor is further configured to:

transmit the indicators.

26. (Previously Presented) The mobile station of claim 20, wherein the at least one processor is further configured to:

transmit the indicators placed to the first set.

27. (Previously Presented) The mobile station of claim 20, wherein the at least one processor is further configured to:

determine indicators of the identified first channels not included in the first set; and
transmit the determined indicators.

28. (Previously Presented) The mobile station of claim 20, further comprising a memory embodying instructions executable by the at least one processor.

29. (Previously Presented) The mobile station of claim 1, further comprising a memory embodying instructions executable by the at least one processor.

30. (Previously Presented) An apparatus adapted for wires communications, comprising:
means for measuring powers of signals transmitted from a plurality of base station transceivers;

means for identifying each base station transceiver whose measured signal power is greater than a threshold;

means for placing indicators of said identified base station transceivers to a first set;

means for transmitting the indicators;

means for using the indicators in the first set to search for a direction message; and

means for receiving a direction message from at least one of the identified base station transceivers not in communication with a mobile station via a traffic channel.

31. (Previously Presented) An apparatus adapted for wires communications, comprising:

means for measuring a signal strength for each of a plurality of first channels received from a plurality of base station transceivers;

means for identifying the first channels whose measured signal powers are greater than a threshold;

means for placing indicators of said identified first channels to a first set;

means for searching for a direction message using the indicators in the first set;

means for receiving the direction message at the mobile station; and

means for adjusting the indicators in the first set in accordance with the direction message.

32. (Previously Presented) The mobile station of claim 1, wherein the at least one processor is further configured to establish a traffic channel with the at least one of the identified base station transceivers not in communication with the mobile station.

33. (Previously Presented) The apparatus of claim 30, further comprising means for establishing a traffic channel with the at least one of the identified base station transceivers not in communication with the mobile station.